

A CONFIGURABLE MULTIMODE DESPREADER FOR SPREAD SPECTRUM APPLICATIONS

5 ABSTRACT OF THE DISCLOSURE

A configurable multimode despreaders for spread spectrum applications is disclosed herein. The despreaders includes a plurality of data lines, at least one selective coupler coupled to the plurality of data lines, at least one multiplier coupled to the selective coupler,
10 and a code input line coupled to the multiplier. The selective coupler selectively couples one of the plurality of data lines with the multiplier per any one of a plurality of despreaders protocols. The multiplier then multiplies a desired input data type received from the selective coupler with a despreaders code chip received from the code input line to produce
15 an observation. The programmable multimode despreaders supports variable code and data modulation schemes and variable spreading factors.

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